

Appl. No. 09/706,960
Amdt. dated April 5, 2004
Reply to Office Action of January 29, 2004

AMENDMENTS TO THE CLAIMS

The listing of claims below replace all prior versions, and listings, of claims:

- 1 1. (Original) A system comprising:
2 an interface to a network;
3 a first operational element to perform one or more tasks in the system;
4 a storage element containing a flag to indicate if a fault has occurred with
5 the first operational element; and
6 a backup device to enable access of the network through the interface in
7 response to the flag indicating failure of the first operational element.

- 1 2. (Original) The system of claim 1, wherein the first operational element
2 comprises a disk drive.

- 1 3. (Original) The system of claim 1, wherein the backup device comprises a
2 backup storage element containing a backup routine adapted to perform communications
3 through the interface to the network.

- 1 4. (Original) The system of claim 3, wherein the backup routine comprises a
2 browser.

- 1 5. (Original) The system of claim 3, wherein the first operational element
2 comprises a first disk drive, and wherein the backup storage element comprises a second
3 disk drive separate from the first disk drive.

- 1 6. (Original) The system of claim 5, wherein the second disk drive has a
2 smaller storage capacity than the first disk drive.

- 1 7. (Original) The system of claim 1, wherein the backup storage element
2 comprises non-volatile memory.

Appl. No. 09/706,960
Amdt. dated April 5, 2004
Reply to Office Action of January 29, 2004

1 8. (Currently Amended) The system of claim 1, wherein the first operational
2 element comprises a disk drive having plural partitions, and wherein the backup device
3 storage element comprises one of the partitions.

1 9. (Original) The system of claim 1, wherein the backup storage element
2 comprises a removable disk drive.

1 10. (Original) The system of claim 1, the backup device to retrieve user data
2 and software over the network to recover the system.

1 11. (Original) The system of claim 1, wherein the first operational element
2 comprises a storage element, the backup device to retrieve an image of the storage
3 element to recover the storage element to its operational state.

1 12. (Previously Presented) A method of performing error recovery in a
2 system, comprising:
3 detecting if an operating portion of the system has experienced a fault;
4 accessing a backup device to enable communication over a network;
5 retrieving data over the network, the data comprising an image containing
6 user data and an operating system; and
7 recovering the system using the image.

1 13. (Original) The method of claim 12, further comprising loading a backup
2 software routine from the backup device.

1 14. (Original) The method of claim 13, wherein the backup software routine
2 comprises a browser, the method further comprising executing the browser to access the
3 network to retrieve the data.

1 15. (Original) The method of claim 13, further comprising executing the
2 backup software routine to access the network.

Appl. No. 09/706,960
Amdt. dated April 5, 2004
Reply to Office Action of January 29, 2004

1 16. (Original) The method of claim 12, wherein retrieving the data comprises
2 retrieving the data from a backup storage system coupled to the network.

1 17. (Cancelled)

1 18. (Previously Presented) A method of performing recovery in a system
2 having a main storage device and a backup storage device, comprising:
3 booting from a backup storage device instead of the main storage device if
4 the system has experienced a fault;
5 using the backup storage device to enable communications over a network
6 to retrieve image data to recover the system, wherein the image data comprises user data
7 and an operating system.

1 19. (Original) The method of claim 18, further comprising loading a routine
2 from the backup storage device to enable the network communication.

1 20. (Original) The method of claim 19, wherein loading the routine comprises
2 loading a browser.

1 21. - 23 (Canceled)

1 24. (Previously Presented) The method of claim 12, further comprising:
2 in response to the fault, scanning a storage device to determine portions of
3 the storage device that are defective; and
4 storing the image in portions of the storage device other than the portions
5 that are defective.

Appl. No. 09/706,960
Amdt. dated April 5, 2004
Reply to Office Action of January 29, 2004

1 25. (Previously Presented) The method of claim 12, further comprising:
2 setting a flag in response to detecting the operating portion of the system
3 has experienced a fault; and
4 a BIOS routine to detect whether the flag has been set.

1 26. (Previously Presented) The method of claim 25, further comprising the
2 BIOS routine to access the backup device to load a routine for communicating over the
3 network in response to detecting that the flag has been set.

1 27. (Currently Amended) ~~The article of claim 17~~ An article comprising at
2 least one storage medium containing instructions that when executed cause a system to:
3 detect if an operating portion of the system has experienced a fault;
4 access a backup device to enable communication over a network;
5 retrieve data to recover the system over the network;
6 in response to the fault, scan a storage device to identify portions of the
7 storage device that are defective; and
8 store the retrieved data in portions of the storage device other than the
9 portions that are defective,
10 wherein retrieving the data comprises retrieving image data containing
11 user data and operating system software.

1 28. (Currently Amended) The article of claim 27, ~~wherein the first routine~~
2 ~~comprises a BIOS routine, and~~ wherein the instructions when executed cause the system
3 to:
4 set a flag in response to the fault;
5 load ~~a the~~ BIOS routine to detect whether the flag is set; and
6 cause the BIOS routine to load ~~a the~~ second routine in response to
7 detecting the flag is set.

Appl. No. 09/706,960
Amdt. dated April 5, 2004
Reply to Office Action of January 29, 2004

1 29. (Currently Amended) ~~The system of claim 21~~ A system comprising:
2 a main storage device;
3 a backup storage device;
4 a first routine executable to boot from the backup storage device in case of
5 a system fault,
6 the backup storage device enabling access over a network to retrieve data
7 from a network node to recover the system, and
8 a second routine to identify portions of the main storage device that are
9 defective, and to store the retrieved data in portions of the main storage device that are
10 not defective,
11 wherein the retrieved data comprises image data containing user data and
12 operating system software.

1 30. (Previously Presented) The system of claim 1, further comprising a BIOS
2 routine to detect a state of the flag, the BIOS routine to access the backup device in
3 response to detecting that the flag indicates the fault.

1 31. (Previously Presented) The system of claim 10, wherein the software
2 comprises operating system software.